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| | | , , | CONFIRMATION NO |
|----------------------|--|---|---|
| 05/19/2004 | Johan Sjostrom | 068758.0209 | 6234 |
| 590 06/15/2005 | | EXAMINER | |
| TS L.L.P. ARTMENT | | WOJCIECHOWICZ, | EDWARD JOSEPH |
| TO BLVD., SUITE 1500 | | ART UNIT | PAPER NUMBER |
| 78701-4039 | | 2815 | |
| | TS L.L.P. ARTMENT TO BLVD., SUITE 1500 | 90 06/15/2005 TS L.L.P. ARTMENT TO BLVD., SUITE 1500 | 90 06/15/2005 EXAM TS L.L.P. WOJCIECHOWICZ, ARTMENT TO BLVD., SUITE 1500 ART UNIT |

DATE MAILED: 06/15/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

| | | AK |
|---|---|--|
| | Application No. | Applicant(s) |
| | 10/848,811 | SJOSTROM ET AL. |
| Office Action Summary | Examiner | Art Unit |
| | Edward Wojciechowicz | 2815 |
| The MAILING DATE of this communication ap Period for Reply | opears on the cover sheet with th | e correspondence address |
| A SHORTENED STATUTORY PERIOD FOR REPITHE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a re - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). | 136(a). In no event, however, may a reply b ply within the statutory minimum of thirty (30) d will apply and will expire SIX (6) MONTHS f tte, cause the application to become ABANDO | e timely filed days will be considered timely. from the mailing date of this communication. DNED (35 U.S.C. § 133). |
| Status | | |
| 1) Responsive to communication(s) filed on | <u></u> . | |
| , | is action is non-final. | · |
| 3) Since this application is in condition for allow | • | |
| closed in accordance with the practice under | Ex parte Quayle, 1935 C.D. 11 | , 453 O.G. 213. |
| Disposition of Claims | | |
| 4) Claim(s) 1-3 is/are pending in the application | | |
| 4a) Of the above claim(s) is/are withdr | awn from consideration. | |
| 5) Claim(s) is/are allowed. | | |
| 6)⊠ Claim(s) <u>1-3</u> is/are rejected. | | |
| 7) Claim(s) is/are objected to. | | |
| 8) Claim(s) are subject to restriction and | or election requirement. | |
| Application Papers | | |
| 9)☐ The specification is objected to by the Examir | | |
| 10) ☐ The drawing(s) filed on is/are: a) ☐ ac | • | |
| Applicant may not request that any objection to th | • , , | • • |
| Replacement drawing sheet(s) including the corre | | |
| 11)☐ The oath or declaration is objected to by the I | Examiner. Note the attached Of | fice Action or form PTO-152. |
| Priority under 35 U.S.C. § 119 | | |
| 12) △ Acknowledgment is made of a claim for foreignal of the priority documents. 1. △ Certified copies of the priority documents. 2. △ Certified copies of the priority documents. 3. △ Copies of the certified copies of the priority documents. | nts have been received. nts have been received in Appli iority documents have been rec | cation No |
| * See the attached detailed Office action for a lis | * | eived. |
| Attachment(s) | _ | |
| 1) Notice of References Cited (PTO-892) | 4) Interview Sumn Paper No(s)/Ma | |
| 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/0 Paper No(s)/Mail Date <u>5-19-04</u>. | | nal Patent Application (PTO-152) |

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DETAILED ACTION

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-3 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. The inventive concept of the invention appears to depend specifically on the geometric arrangement of the transistor cell or transistor pair being claimed. With that in mind, the specific structure of the inventive cell is not clearly defined.

In addition, each claim recites that "first" drain or collector regions are formed at "the respective edge" of the cell. However, the geometries of these cells are not defined. That is, is the invention limited to only two drain regions formed at only two edges of an elongated cell, or are drain regions formed along the entire perimeter (four sides) of a rectangular cell? If it is the latter, is there only a single "second" drain region formed in the center of a rectangular cell? How many source or emitter regions are formed in each cell? Is this number limited to only two source/emitter regions per cell?

In other words, is each cell defined precisely by the configuration and number of regions shown in Fig. 2 of the instant application? That is, does each cell form drain/collector regions on only two edges, with only two first drain/collector regions

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(D11) and (D12), only four source/emitter regions (S11), (S21), (S22) and (S12), and only four gate/base regions (G11), (G21), (G22), and (G12)?

Since claim 2 only defines a single cell, the phrase "of all cells" used in the second half of the claim lacks a proper antecedent basis. And, the reference in claims 1 and 3 to a "differential transistor pair" is unclear as to the exact number of transistors actually described.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Edward Wojciechowicz whose telephone number is (571) 272-1739. The examiner can normally be reached on Monday through Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tom Thomas can be reached on (571) 272-1664. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). 8,22

> Edward Wojciechowicz **Primary Examiner**

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